

What is claimed is:

1. An article comprising an array of nonrutable cube corner elements, the article comprising a plurality of laminae, each such lamina having opposed parallel major surfaces and a working surface connecting the major surfaces, the array having rows of rectangular cube corner elements  
5 formed along the working surfaces of the laminae.

2. An article comprising a plurality of laminae, each lamina having opposed parallel major surfaces and a working surface connecting the major surfaces, the working surface of each lamina having an inclined surface extending along the working surface and a set of parallel grooves  
10 defining groove surfaces orthogonal to each other and to the inclined surface so as to form a row of rectangular cube corner elements.

3. A lamina having opposed parallel major surfaces and a working surface therebetween, the working surface having an inclined surface extending therealong and a set of parallel grooves  
15 defining groove surfaces orthogonal to each other and to the inclined surface so as to form a row of rectangular cube corner elements.

4. A plurality of laminae as set forth in claim 3, the plurality of laminae defining in the working surfaces thereof a nonrutable array of cube corner elements.

5. An article comprising an array of microcubes, such that for every plane in space there are two adjacent microcubes for which at the place of adjacency none of the face edges is parallel to that plane, and in which at least one microcube of said array is rectangular, said at least one microcube of said array being canted face-more-parallel.

6. The article of claim 5 in which at least one microcube of said array has a plane of symmetry in which lies the cube axis of said microcube, thereby increasing the entrance angularity of said array in a plane perpendicular to said plane of symmetry.

7. An article comprising an array of microcubes, such that for every plane in space there are two adjacent microcubes for which at the place of adjacency none of the face edges is parallel to that plane, in which at least one of said microcube shape is rectangular, and in which at least one face of said rectangular microcube is pentagonal.

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8. An article comprising an array of microcubes in which every three by three subarray of microcubes is nonrutable, and in which at least one microcube in a said three by three subarray of microcubes is rectangular, said at least one microcube being canted face-more-parallel.

10 9. The article of claim 8 in which at least one microcube of said array has a plane of symmetry in which lies the cube axis with said microcube, thereby increasing the entrance angularity of said array in a plane perpendicular to said plane of symmetry.

15 10. The article of any of claims 1-4, wherein the rectangular cube corner elements are canted face-more-parallel.

11. The article of any of claims 1-4, wherein the rectangular cube corner elements each comprise a pentagonal face.

20 12. The article of any of claims 1-4, wherein the rectangular cube corner elements are microcubes.

25 13. The article of any of claims 5-9, wherein the article comprises a plurality of laminae and wherein the microcubes in the array are formed in rows of rectangular cube corner elements on working surfaces of the laminae.

14. The article of claim 1, wherein the array of nonrutable cube corner elements comprises an array of microcubes.

15. The article of claim 14, wherein for every plane in space there are two adjacent microcubes for which at the place of adjacency none of the face edges is parallel to that plane.

5 16. The article of claim 15, wherein at least one microcube of said array of microcubes is rectangular and canted face-more-parallel.

17. The article of claim 16, in which at least one microcube of said array of microcubes has a plane of symmetry in which lies the cube axis of said microcube, thereby increasing the entrance angularity of said array of microcubes in a plane perpendicular to said plane of symmetry.

10 18. The article of claim 15, wherein at least one of said microcube shape is rectangular, and in which at least one face of said rectangular microcube is pentagonal.

19. The article of claim 14, wherein every three by three subarray of microcubes is nonrutable.

15 20. The article of claim 19, wherein at least one microcube in a said three by three subarray of microcubes is rectangular.

21. The article of claim 20, wherein said at least one microcube is canted face-more-parallel.

20 22. The article of claim 21, wherein at least one microcube of said array has a plane of symmetry in which lies the cube axis with said microcube, thereby increasing the entrance angularity of said array in a plane perpendicular to said plane of symmetry.